

### **Abstract**

A suspension system for the front wheel of single wheeled vehicles having a single front wheel, such as bicycles, tricycles and motorcycles. The suspension system consists of a frame with a variable arrangement of the steering points using at least one swingable arm, multiple fork joints at least one of which is designed as a two-part fork joint that provides for variable distances between the steering axis, and a telescopic fork connected to the front wheel and which has at least three parts so that the front wheel is guided through the entire system whether partly or fully sprung.